generally in the direction of arrows 116 toward a discharge outlet 118. The discharge outlet 118 faces rearwardly relative to the travel direction 112 and the blended material 46 is discharged therefrom as the resurfacing machine 10 moves in the forward direction 12. --

Please replace the Abstract, beginning at page 15, line 1 and extending through page 15, line 8, with the following rewritten Abstract:

ABSTRACT

--A blending apparatus which forms part of an asphalt pavement resurfacing machine has first and second stages. The first stage receives milled material through an inlet and blends the milled material with a rejuvenating fluid. The first stage has a transversely extending shaft from which paddles extend radially to blend the milled material with the rejuvenating fluid and direct it toward a first stage outlet. The second stage receives the blended material from the first stage outlet. The second stage has a respective shaft with mixing paddles extending radially therefrom to further blend the material and direct it toward a second stage outlet.--

IN THE CLAIMS:

Please amend claim 1 as follows:

--1. (Amended) An asphalt pavement resurfacing machine having a transport structure, a heater mounted to said transport structure for heating an underlying surface to form a heated surface, a scarifier mounted to said transport structure to follow said heater and break up said heated surface to form a scarified surface, a mill mounted to said transport structure to follow said scarifier, grind said scarified surface to form a milled material and to prepare said underlying surface to a preset depth, a rejuvenating fluid sprayer for introducing a rejuvenating fluid to said milled material and a mixer for blending said milled material with said rejuvenating fluid, said mixer having a first stage comprising:

a first stage shell having a downwardly facing bottom opening;

said first stage shell further having an inlet opening facing in a travel direction of said transport structure for admitting said milled material into said first stage;

a first stage shaft extending transversely relative to said travel direction and mounted to said first stage shell for rotation about a first stage shaft axis within said first stage shell;

a plurality of paddles extending radially from said first stage shaft for blending said rejuvenating fluid with said milled material within said first stage shell and for directing said blended material thus formed toward a first stage discharge outlet facing rearwardly relative to said travel direction; and,

a rotator for rotating said shaft along with said paddles wherein,

said first stage shell is placeable in close proximity to said underlying surface with said bottom opening adjacent thereto, said first stage being operatively combinable with the underlying surface to form a substantially enclosed chamber with said first stage shaft and said paddles being rotatable within the substantially enclosed chamber to blend the milled material with the rejuvenating fluid.--

Please amend claim 2 as follows:

--2. An asphalt pavement resurfacing machine according to claim 1 wherein said mixer further has a second stage mounted to follow said first stage and receive said blended material from said discharge outlet of said first stage, said second stage comprising:

a downwardly opening second stage shell extending from a rear of said first stage shell;

a second stage shaft mounted in said second stage shell for rotation about a second stage shaft axis generally parallel to said first stage shaft axis;

a plurality of paddles extending substantially radially from said second stage shaft and rotatable therewith for further blending said blended material and directing said blended material toward a second stage discharge opening through said second stage shell facing rearwardly relative to said travel direction; and,

a rotator for rotating said second stage shaft about said second stage shaft axis.--

Please amend claim 3 as follows:

--3. An asphalt pavement resurfacing machine as claimed in claim 1 wherein: said rotator includes a motor rotationally coupled to said first stage shaft.--

Please amend claim 4 as follows:

--4. An asphalt pavement resurfacing machine as claimed in claim 3 wherein:

said motor is rotationally coupled to said first stage shaft by a motor sprocket mounted to said motor to drive a corresponding first stage shaft sprocket mounted to said first stage shaft by a chain extending thereabout.--

Please amend claim 5 as follows:

--5. An asphalt pavement resurfacing machine as claimed in claim 2 wherein:

said rotator for said first and second stages includes a motor rotationally coupled to said first and second stage shafts.--

Please amend claim 6 as follows:

--6. An asphalt pavement resurfacing machine as claimed in claim 5 wherein:

said motor is rotationally coupled to said first and second stage shafts by a motor sprocket mounted to said motor and coupled by chain to corresponding first and second stage shaft sprockets mounted respectively to said first and second stage shafts.--

Please amend claim 7 as follows:

--7. (Amended) A method for blending milled material with rejuvenating fluid in an asphalt pavement resurfacing machine having a first pug mill attached thereto in an inverted arrangement in which said pug mill has a housing with an open bottom face, said first pug mill having a first paddle shaft mounted within said housing and extending generally transversely relative to a travel direction of said transport structure, said method comprising the steps of:

(i) placing said open bottom face of said housing of said pug mill adjacent an underlying surface to define, in conjunction with said housing, a substantially enclosed chamber containing said first paddle shaft therein;

(ii) moving said transport structure along said underlying surface to move said first pug mill in said travel direction;

(iii) receiving said milled material and rejuvenating fluid into said first pug mill through a forwardly facing first inlet;

(iv) blending said milled material with said rejuvenating fluid by rotating said first paddle shaft within the substantially enclosed chamber to cause paddles extending radially therefrom to co-mingle said milled material with said rejuvenating fluid within said substantially enclosed chamber, said paddles being aligned to direct a blended material thus formed toward a rearwardly facing first discharge opening; and,

(v) allowing said blended material to be discharged, through said first discharge opening as said first pug mill moves in said travel direction.--

Please amend claim 8 as follows:

--8. (Amended) A method according to claim 7 wherein a second pug mill is attached to said transport structure to follow said first pug mill, said second pug mill having a housing with an open bottom face, said second pug mill having a second inlet for receiving said blended material discharged from said first discharge opening, said second pug mill having a second paddle shaft mounted within said housing generally parallel to said first paddle shaft and having a plurality of paddles extending substantially radially therefrom, said method including the further steps of:

(vi) placing said open bottom face of said housing of said second pug mill adjacent said underlying surface;

(vii) receiving said blended material into said second pug mill through said second inlet;

(viii) rotating said second paddle shaft to further blend said blended material received from said first pug mill, said paddles being aligned to direct further blended material thus formed toward a rearwardly facing second discharge opening; and,

(ix) discharging said further blended material in a windrow from said second discharge opening.--